INTERNATIONAL SEARCH REPORT

Name and mailing address of the ISA/ Japanese Patent Office

Facsimile No.

International application No.

			PCT/JP2004/016981	
A. CLASSIFIC Int.Cl	CATION OF SUBJECT MATTER CO3C10/00, CO3B8/02, B82B1/00	, H01M4/02,	H01M4/48,	H01M10/40
According to Int	ernational Patent Classification (IPC) or to both national	classification and IP	C	
B. FIELDS SE	ARCHED			
Minimum docum	nentation searched (classification system followed by classification system followed by classification system followed by classification system followed by classification system system followed by classification system system system followed by classification system system system system followed by classification system system system followed by classification system	, H01M4/00-	4/62, H01M	10/40,
Jitsuyo		nt that such documen tsuyo Shinan T roku Jitsuyo S	'oroku Koho	1996-2005
	pase consulted during the international search (name of dICST FILE (JOIS)	ata base and, where	practicable, search	terms used)
C. DOCUME	NTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relev	ant passages	Relevant to claim No.
X A	WO 96/39357 A1 (MICHIGAN STATE 12 December, 1996 (12.12.96), Full text; Figs. 1 to 15 & US 5622684 A & US	IE UNIVERSIT 5795559 A	Ψ),	1-10 11-25
X	JP 2003-519074 A (RHODIA CHIN 17 June, 2003 (17.06.03), Claims; Par. Nos. [0092] to [& FR 2803223 A1 & WO & US 2003/54954 A1			1-4
× Further d	ocuments are listed in the continuation of Box C.	See patent fa	mily annex.	
"A" document	egories of cited documents: defining the general state of the art which is not considered rticular relevance	date and not in		nternational filing date or priority lication but cited to understand e invention
"E" earlier application or patent but published on or after the international filing date		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is		
	eferring to an oral disclosure, use, exhibition or other means oublished prior to the international filing date but later than the se claimed	being obvious t "&" document mem	o a person skilled in ber of the same pater	nt family
	nal completion of the international search wary, 2005 (05.01.05)	Date of mailing of 25 Janu	the international seary, 2005	

Authorized officer

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/016981

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	JP 2001-233615 A (Director General of National Institute of Advanced Industrial Science and Technology), 28 August, 2001 (28.08.01), Claims; Figs. 1 to 5 (Family: none)	1-4		
А	JP 2002-338228 A (Canon Inc.), 27 November, 2002 (27.11.02), Full text; Figs. 1 to 5 (Family: none)	6		
A	JP 2002-42808 A (Canon Inc.), 08 February, 2002 (08.02.02), Claims (Family: none)	11-25		
Α .	JP 2004-214116 A (National Institute of Advanced Industrial Science and Technology), 29 July, 2004 (29.07.04), Claims (Family: none)	11-25		
A	JP 2003-77541 A (Mitsubishi Heavy Industries, Ltd.), 14 March, 2003 (14.03.03), Claims (Family: none)	11-25		
A	JP 2003-77466 A (Mitsubishi Heavy Industries, Ltd.), 14 March, 2003 (14.03.03), Claims (Family: none)	11-25		